DISCRETE MATHEMATICS
VOLUME 152, NUMBERS 1–3, 20 MAY 1996

CONTENTS

R. Aharoni and U. Keich
A generalization of the Ahlswede–Daykin inequality 1

N. Alon and E. Fischer
2-factors in dense graphs 13

D. Banković
Formulas of general solutions of Boolean equations 25

A. Baranga
Z-continuous posets 33

A. Brandstädt
Partitions of graphs into one or two independent sets and cliques 47

G. Burosch and P.V. Ceccherini
A characterization of cube-hypergraphs 55

G. Burosch, H.-D.O.F. Gronau, J.-M. Laborde and I. Warnke
On posets of *m*-ary words 69

Y. Caro
Zero-sum problems — A survey 93

V. Domocoş
A combinatorial method for the enumeration of column-convex polyominoes 115

D. Duffus and N. Sauer
Lattices arising in categorial investigations of Hedetniemi's conjecture 125

H. Galeana-Sánchez and H.A. Rincón-Mejía
Independent sets which meet all longest paths 141

G. Gao and X. Zhu
Star-extremal graphs and the lexicographic product 147

J. Griggs and O. Murphy
Edge density and independence ratio in triangle-free graphs with maximum degree three 157

C. Guido
A larger class of reconstructible tournaments 171

T. Helleseth and P. V. Kumar
On the weight hierarchy of the semiprimitive codes 185

C. Kenyon and E. Rémila
Perfect matchings in the triangular lattice 191

S.R. Kingan
Binary matroids without prisms, prism duals, and cubes 211

T. Kubo and R. Vakil
On Conway's recursive sequence 225

D. Lou
The Chvátal–Erdős condition for cycles in triangle-free graphs 253

S. Marshall
On the existence of k-tournaments with given automorphism group 259

M. Serfati
On postian algebraic equations 269

D.R. Woodall
An identity involving 3-regular graphs 287

Communications

A.A. Ageev
A triangle-free circle graph with chromatic number 5 295

S. Gravier
A Hajós-like theorem for list coloring 299

S.D. Noble
Recognising a partitionable simplicial complex is in NP 303

J. Noonan
The number of permutations containing exactly one increasing subsequence of length three 307

Notes

D.E. Bryant
A special class of nested Steiner triple systems 315

C. Flores and O. Ordaz
On the Erdős–Ginzburg–Ziv theorem 321

B. Xu and H. Fan
On the fixed edge of planar graphs with minimum degree five 325

Author index to volume 152 329